log file
Posted by elsadek - 2008/04/23 19:31

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is there a log file created during SWAT simulation?
we have run a SWAT simulation and when viewing results all results are 0
Thank you

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Re:log file
Posted by isburns - 2008/04/23 21:34

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There are several files created as output but not one that is really a log file. Because your results are all 0, your simulation likely didn't complete. The way to start tracking down the problem is to execute the model at the command line so you can see where it is crashing. Below are instructions on how to do that.

Open a command prompt by typing cmd from the run window (accessed from the Start menu or by pressing the Windows key + r on your keyboard). Then navigate to the simulation directory. This will be located in the a subdirectory of your Workspace folder set during the delineation. Use the following example as a guide.

Workspace set in the delineation: c:dir1
delineation name: del1
discretization name: dis1
simulation name: sim1

Using the above names, the simulation directory would be at: c:dir1del1dis1simulationssim1

You would navigate there once you are at the command prompt by typing (if your workspace is not on drive c, you would need to change to the appropriate drive first by typing the drive letter followed by a colon and pressing enter, ex 'd:')
cddir1del1dis1simulationssim1
Once in that directory, type swat2000 to run the model. The window will stay open after the model runs, even if it crashes. If it did crash, it should give you a hint as to why, which you can post back here for more help.

Shea

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Re:log file
Posted by elsadek - 2008/04/24 03:04

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I did what you said , attached (attachment would not fly) is a facsimile of the error message that occurs in the DOS window. Hopefully, this is of some use:

SWAT2000
Soil & Water Assessment Tool
PC Version
Program reading from file.cio . . . executing
forrt1: severe (161): Program Exception -- array bounds exceeded
Image PC Routine Line source
swat2000.exe 004ECB8C READSOL   110 readsol.f
swat2000.exe 004F31D2 READSUB   220 readsub.f
swat2000.exe 004D875D READINPT   70readinpt.f
swat2000.exe 0048FE85 MAIN unknown Unknown
swat2000.exe 005DFEB9 unknown unknown Unknown
swat2000.exe 005D2764 unknown unknown Unknown
kernel32.dll 7C816FD7 unknown unknown Unknown

Thank you for your help!

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Re:log file
Posted by isburns - 2008/04/24 21:18

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It looks like the problem is with your soils file (the .sol files in that directory). What soils are you using?
If its SSURGO or STATSGO and has an MUKEY field in the shapefile, did you import the tabular data
into the Access Database before running the land cover and soils parameterization?

Shea

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Re:log file
Posted by elsadek - 2008/04/25 03:06

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I am using STATSGO and the shapefile has MUKEY field and I didn't import the tabular data.
so, do you mean I should copy the tabular data to my workspace?

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Re:log file
Posted by isburns - 2008/04/28 17:11

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There should be an Access database that came with your soils download. There should also be a
spatial and a tabular folder. The spatial folder would be where you loaded the shapefile from. Anyway,
before using STATSGO/SSURGO with an MUKEY, the tables in the tabular folder need to be imported
into the Access database. This is done by running the Import macro that pops up when you open the
Access database.

Because you've already run the soils, you will have already pointed to the Access database, which was then copied into the agwa2datafilesssurgo folder and renamed to follow the name of the soils shapefile. That is done automatically so AGWA can locate the Access database without user intervention. This means that you'll need to delete the file thats in the agwa2datafilesssurgo directory so that when you run the Land Cover and Soils parameterization again you'll be asked where the soils database is. This time you'll be pointing to the Access database you ran the Import macros on.

Let me know if anything is unclear.

Shea

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Re:log file
Posted by elsadek - 2008/04/28 17:18

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Thanks, you saved my time, the model runs good now. I think you should mention that either in the tutorials or the Manual.
Thanks again

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